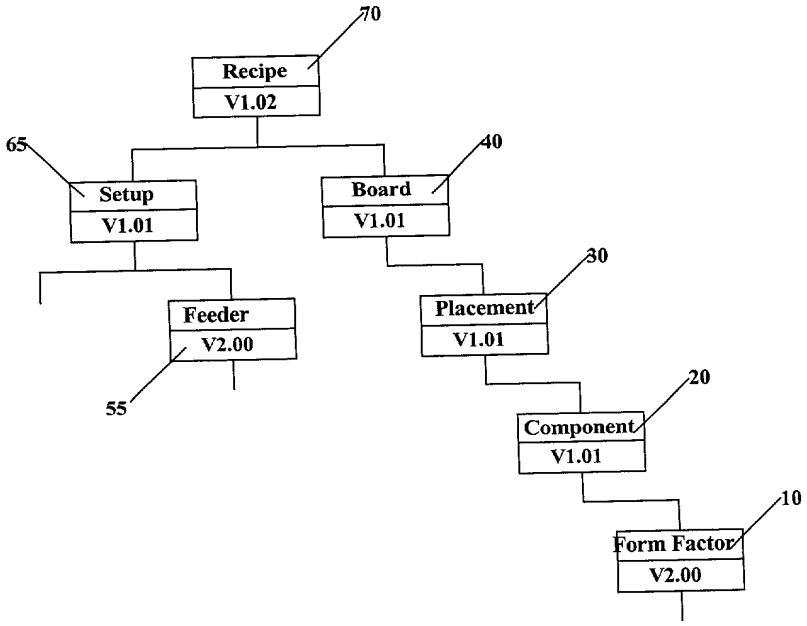
70
Recipe
V1.02
65
Setup
V1.01
40
Board
V1.01
Feeder
V2.00
55
30
Placement
V1.01
20
Component
V1.01
10
Form Factor
V2.00

FIG. 2c

VERSION TRACKING ON A SINGLE LINE

Event	User	Action	Object	Name	Version
1	Eng/Op	Programs a board	Recipe -1	Board	V1.00
2	Eng/Op	**Modifies** the same board	"	"	"
3	Eng/Op	Downloads Recipe-2 for Smartphone line	Recipe -1 Recipe -2	Board SPLine	" "
4	LINE...	Runs board & requests validation	"	"	"
5	Eng/Op	Checks board & finds error	Recipe -1	Board	
6	Eng/Op	**Corrects** program	"	"	"
7	Eng/Op	Downloads recipe	Recipe -1 Recipe -2	Board SPLine	" "
8	LINE...	Runs board & requests validation	"	"	"
9	Eng/Op	Checks board and **Releases** it	**Recipe -1** **Recipe -2**	**Board** **SPLine**	**V1.00R** **V1.00R**
10	At a later time, Eng/Op wants to modify sub-object SOT23		Package Form	SOT 23	V1.00R
11	Eng/Op	**Modifies SOT23**	Pkg. Form Recipe-1 Recipe-2	SOT 23 Board SPLine	V2.00 V1.01 V1.01
12	Eng/Op	Downloads Recipe-2 and runs board	Pkg. Form Recipe-1 Recipe-2	SOT 23 Board SPLine	V2.00 V1.01 V1.01
13	LINE...	Runs board & requests release of Recipe-1/2 (line/board)	"	"	"
14	Eng/Op	Checks pkg.& **validates** it, which is equivalent to releasing it for a single line.	**Pkg. Form** **Recipe-1** **Recipe-2**	**SOT 23** **Board** **SPLine**	**V2.00R** **V1.01R** **V1.01R**
15	At a later time, Eng/Op downloads program		Pkg. Form Recipe-1 Recipe-2	SOT 23 Board SPLine	V2.00R V1.01R V1.01R
16	LINE...	Runs board with **no modifications**	"	"	"
17	At a later time, Eng/Op downloads a different **recipe (3)** with **the same SOT 23 as modified earlier in V1.01**.		Recipe-3	Pocket PC	V1.00R
18	Eng/Op	finds problem and **differently modifies** SOT23 again	Recipe-3 Pkg.Form2	Pck.PC SOT 23	V1.01 V3.0
19	Eng/Op	downloads program to line	"	"	"
20	LINE...	Runs board & requests release	"	"	"
21	Eng/Op	Checks board and **Releases** it	**Recipe-3** **Pkg.Form2**	**Pck.PC** **SOT 23**	**V1.01R** **V3.0R**
22	SYSTEM	Automatically updates recipes at the Enterprise level	Pkg. Form Recipe-1 Recipe-3	SOT 23 Board Pck.PC	**V3.00R** **V1.02R** **V1.02R**

Fig. 3

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Step	User	Action	Object	Name	Version
23	Engineer	Programs a board	Recipe -1	Board	V1.00
24	Engineer	**Modifies** the same board	"	"	"
25	Engineer	Downloads Recipe-2 for Smartphone line	Recipe -1 Recipe -2	Board SPLine	" "
26	LINE...	Runs board & asks Operator to validate recipe/board	"	"	"
27	Operator	Checks board & finds error	Recipe -1	Board	
28	Operator	**Corrects** program	"	"	"
29	Operator	Downloads recipe & runs board	Recipe -1 Recipe -2	Board SPLine	" "
30	LINE...	Runs board & asks Operator to validate recipe/board	"	"	"
31	Operator	Checks board and **validates** it	**Recipe -1** **Recipe -2**	**Board** **SPLine**	**V1.00V** **V1.00V**

32	At a later time, **Operator** finds some issues on SOT23		Package Form	SOT 23	V1.00R
33	Operator	**Modifies SOT23**	Pkg. Form Recipe-1 Recipe-2	SOT 23 Board SPLine	V2.00 V1.01 V1.01
34	Operator	Downloads recipe for Smartphone Line	Pkg. Form Recipe-1 Recipe-2	SOT 23 Board SPLine	V2.00 V1.01 V1.01
35	LINE...	Runs board & requests release	"	"	"
36	Operator	Checks board and **Validates** it	**Pkg. Form** **Recipe-1** **Recipe-2**	**SOT 23** **Board** **SPLine**	**V2.00V** **V1.01V** **V1.01V**

37	**Engineer** informed of modification				
38	Engineer	approves modification & **Releases SOT 23**	**Package Form**	**SOT 23**	**V2.00R**
39	Operator	Downloads to different line Released objects are also released on a different line, validated objects have to be validated again	Pkg. Form Recipe-1 Recipe-2	SOT 23 Board SPLine	V2.00R V1.01 V1.01
40	LINE 2	Runs board and asks operator to validate recipe/board			
41	Operator	checks program and **validates** it	Pkg. Form Recipe-1 Recipe-2	SOT 23 Board SPLine	**V2.00R** **V1.01V** **V1.01V**
42	Engineer	checks program and **releases** it	Pkg. Form Recipe-1 Recipe-2	SOT 23 Board SPLine	**V2.00R** **V1.01R** **V1.01R**
43	Operator	Downloads program to a third line	Pkg. Form Recipe-1 Recipe-2	SOT 23 Board SPLine	V2.00R V1.01R V1.01R
44	Line 3	Runs board since it is a released program			

Fig. 4

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